

RESULT 1

HUMDAF  
LOCUS HUMDAF 2017 bp mRNA linear PRI 02-NOV-1994  
DEFINITION Human complement decay-accelerating factor (DAF) mRNA; 3' end.  
ACCESSION M15799  
VERSION M15799.1 GI:181462  
KEYWORDS complement decay-accelerating factor.  
SOURCE Human Hela cell cDNA to mRNA, clones DF1 and DF2.  
ORGANISM Homo sapiens  
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi;  
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo  
REFERENCE 1 (bases 1 to 2017)  
AUTHORS Medof, M E , Lublin, D M , Holers, V M , Ayers, D J , Getty, R R ,  
Leykam, J F , Atkinson, J P and Tykocinski, M L  
TITLE Cloning and characterization of cDNAs encoding the complete



2003

Feb 24 11:03:01 2003

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QY 1561 GCAAAATTGCTAAAGAGAGATGACCACATTATAAAGTAATCTTTGGCTAAGGCATTTTCA 1620  
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Db 1561 GCAAAATTGCTAAAGAGAGATGACCACATTATAAAGTAATCTTTGGCTAAGGCATTTTCA 1620  
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QY 1621 TCTTTCCTTCGGTTGGCAAAATATTTTAAAGGTAAAACATGCTGGTGAACCAGGGTGTG 1680  
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Db 1621 TCTTTCCTTCGGTTGGCAAAATATTTTAAAGGTAAAACATGCTGGTGAACCAGGGTGTG 1680  
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QY 1681 ATGGTGATAAGGGAGGAATATAGAATGAAAGACTGAATCTTCCTTTGTTGCACAAATAGA 1740  
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Db 1681 ATGGTGATAAGGGAGGAATATAGAATGAAAGACTGAATCTTCCTTTGTTGCACAAATAGA 1740  
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QY 1801 GATACTACAATATTAACATAAGAAAAGATTATATATTATTTCTGAATCGAGATGTCCATA 1860  
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Db 1801 GATACTACAATATTAACATAAGAAAAGATTATATATTATTTCTGAATCGAGATGTCCATA 1860  
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QY 1861 GTCAAATTTGTAATCTTATTCTTTTGTAAATATTATTTATATTTATTTATGACAGTGAA 1920  
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Db 1861 GTCAAATTTGTAATCTTATTCTTTTGTAAATATTATTTATATTTATTTATGACAGTGAA 1920  
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QY 1921 CATTCGTATTTTACATGTAAACAAGAAAAGTTGAAGAAGATATGTGAAGAAAAATGTAT 1980  
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QY 1981 TTTTCCTAAATAGAAATAAATGATCCCATTTTTTGGT 2017  
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Db 1981 TTTTCCTAAATAGAAATAAATGATCCCATTTTTTGGT 2017  
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ALIGNMENTS

RESULT 1  
HUMDAFA  
LOCUS HUMDAFA 2220 bp mRNA linear PRI 02-NOV-1994  
DEFINITION Human decay-accelerating factor mRNA, complete cds.  
ACCESSION M30142  
VERSION M30142.1 GI:181464  
KEYWORDS Alu repeat; alternative splicing; decay-accelerating factor;  
membrane glycoprotein.  
SOURCE Homo sapiens cDNA to mRNA.  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
REFERENCE 1 (bases 1 to 2220)  
AUTHORS Caras,I.W., Davitz,M.A., Rhee,L., Weddell,G., Martin,D.W. Jr. and  
Nussenzweig,V.

**TITLE** Cloning of decay-accelerating factor suggests novel use of splicing to generate two proteins  
**JOURNAL** Nature 325 (6104), 545-549 (1987)  
**MEDLINE** 87115845  
**PUBMED** 2433596  
**COMMENT** The gene for decay accelerating factor produces two proteins by alternative splicing. The spliced out region is from position 1147-1265. The stop codon in this case is located at position 1327-1329. Though mRNAs do not have introns, the alternative coding region is indicated in the features table.  
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**source**  
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 /db\_xref="taxon:9606"  
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 /note="G00-119-088"  
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 /note="G00-119-088; putative"  
 1731..1736  
 /gene="DAF"  
 /note="G00-119-088; putative"  
 2198..2203  
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 /note="G00-119-088; putative"  
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 /note="G00-119-088; putative"  
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 /gene="DAF"  
 /note="decay-accelerating factor precursor A"  
 /number=1  
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 /gene="DAF"  
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 /note="G00-119-088"  
 1147..1264  
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 1150..1264  
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 /note="G00-119-088"  
 /number=2  
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 1731..1736  
 /gene="DAF"  
 /note="G00-119-088; putative"  
**polyA\_signal**  
 /note="G00-119-088; putative"  
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 /gene="DAF"  
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**polyA\_signal**  
 /note="G00-119-088; putative"  
 2220  
 /gene="DAF"  
 /note="G00-119-088; putative"

**BASE COUNT** 681 a 455 c 475 g 609 t  
**ORIGIN**  
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 Best Local Similarity 100.0%; Pred. No. 0;  
 Matches 2220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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 1 CGCGGGGGCTAGCTGCGACTGCGGAGATCCCGGCGCGCTCTTGTACCCGCC 60  
 61 CGCGCATACCGCTGCGGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 120  
 61 CGCGCATACCGCTGCGGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 120  
 121 CGCGGCTGCTCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 180  
 121 CGCGGCTGCTCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 180  
 181 CGCGGATGATCAATGATGATGATGATGATGATGATGATGATGATGATGAT 240  
 181 CGCGGATGATCAATGATGATGATGATGATGATGATGATGATGATGATGAT 240  
 241 CTGTATACCTAATGATGATGATGATGATGATGATGATGATGATGATGAT 300  
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 301 TGATGCTGCTTAAAGGCGATGATGATGATGATGATGATGATGATGATGAT 360  
 301 TGATGCTGCTTAAAGGCGATGATGATGATGATGATGATGATGATGATGAT 360  
 361 AGGTGCAACAAAGGCTAATGATGATGATGATGATGATGATGATGATGATG 420  
 361 AGGTGCAACAAAGGCTAATGATGATGATGATGATGATGATGATGATGATG 420  
 421 TTCCAGTGGTACTGTTGGAATGATGATGATGATGATGATGATGATGATG 480  
 421 TTCCAGTGGTACTGTTGGAATGATGATGATGATGATGATGATGATGATG 480  
 481 TATCACCACAACTACTGCTTCAAGATTTAAATGCTGCACAGAGTGAATTT 540  
 481 TATCACCACAACTACTGCTTCAAGATTTAAATGCTGCACAGAGTGAATTT 540  
 541 AAAAGAAATCATGCGCTAATCCGAGAGAAATGATGATGATGATGATGAT 600  
 541 AAAAGAAATCATGCGCTAATCCGAGAGAAATGATGATGATGATGATGAT 600  
 601 GCATATATTGTTGTCACACCATCTCTTCAATGATGATGATGATGATGATG 660  
 601 GCATATATTGTTGTCACACCATCTCTTCAATGATGATGATGATGATGATG 660  
 661 CGACTTCTAGTTTGTCTTATTTGAGCAGCTGTGTCAGTGAATGATGATG 720  
 661 CGACTTCTAGTTTGTCTTATTTGAGCAGCTGTGTCAGTGAATGATGATG 720  
 721 AGTCAGAGAAATTTATGTCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 780  
 721 AGTCAGAGAAATTTATGTCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 780  
 781 AACGTGACCATATGATATGATGATGATGATGATGATGATGATGATGATG 840  
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 841 TGATTTGAGACACTATTTATTTGATGATGATGATGATGATGATGATGATG 900  
 841 TGATTTGAGACACTATTTATTTGATGATGATGATGATGATGATGATGATG 900  
 901 CACCACTGATGAGAGAAATCTTCAAGTCCACCAAGTCCACCAAGTCCACA 960  
 901 CACCACTGATGAGAGAAATCTTCAAGTCCACCAAGTCCACCAAGTCCACA 960  
 961 CTACCACTGATGAGAGAAATCTTCAAGTCCACCAAGTCCACCAAGTCCACA 1020

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Db 961 CTACACAGTAATGTTCACAGTACAGAGTCTCACCACTCTCCAAAAACCAACCA 1020  
OY 1021 AAACCCACACACAAATGCTCAAGCAACACGAGTACACCTGTTCCAGACACACAGC 1080  
Db 1021 AAACCCACACACAAATGCTCAAGCAACACGAGTACACCTGTTCCAGACACACAGC 1080  
OY 1081 ATTTTCATGAACACACCCCAATTAAGAGAGTGAACCACTTCAAGTACTACCGCTTC 1140  
Db 1081 ATTTTCATGAACACACCCCAATTAAGAGAGTGAACCACTTCAAGTACTACCGCTTC 1140  
OY 1141 TATCTGCTCTGCTCTGTCACCAAGCTGTATGCGGTGTGATCTGATCTACTGC 1200  
Db 1141 TATCTGCTCTGCTCTGTCACCAAGCTGTATGCGGTGTGATCTGATCTACTGC 1200  
OY 1201 AGCTCGAATCCTGCGTTAAGCGATCTTCCACTTCACTCCCAAGTACTGCTACT 1260  
Db 1201 AGCTCGAATCCTGCGTTAAGCGATCTTCCACTTCACTCCCAAGTACTGCTACT 1260  
OY 1261 ACAGGCGACACGCTGTTCACGTTGACAGTCTTCTGGAGCGTATGATGAGCTGCTAG 1320  
Db 1261 ACAGGCGACACGCTGTTCACGTTGACAGTCTTCTGGAGCGTATGATGAGCTGCTAG 1320  
OY 1321 CTGACTTAGCCAAAGAGAGTAAAGAAATACACACAGTATACAGACTGTTCTAG 1380  
Db 1321 CTGACTTAGCCAAAGAGAGTAAAGAAATACACACAGTATACAGACTGTTCTAG 1380  
OY 1381 TTCTTAGACTTATCTGCAATGATGATTAATGCAATGCTCTTCACTTTAGAT 1440  
Db 1381 TTCTTAGACTTATCTGCAATGATGATTAATGCAATGCTCTTCACTTTAGAT 1440  
OY 1441 GCTTTCATGCTCTTAAAGATGCTTGAAGTGTCAACAGAGCAAGAGAAAGAGCAGT 1500  
Db 1441 GCTTTCATGCTCTTAAAGATGCTTGAAGTGTCAACAGAGCAAGAGAAAGAGCAGT 1500  
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Db 1501 CCTGGAATCATTCTTACACACCTTACACCTTGTGAATTAAGACACTTGCAGAAATG 1560  
OY 1561 AGAGTATCTCTTCTTAAAGTGAAGAGATGAGATTTGCTTGTAGATG 1620  
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Db 1621 GATCAGAGAGAAAGAGAGAGATTTTTCACAGATCTGTAATGTTATTC 1680  
OY 1681 ACTTAAAGAGAAATGAAAAACCTTATTGATATCAAAAGCAATTAACAC 1740  
Db 1681 ACTTAAAGAGAAATGAAAAACCTTATTGATATCAAAAGCAATTAACAC 1740  
OY 1741 CAATTCAGTCTCTTCAAGCAAAATGCTAAAGAGATGACCACTTAAAGTAATC 1800  
Db 1741 CAATTCAGTCTCTTCAAGCAAAATGCTAAAGAGATGACCACTTAAAGTAATC 1800  
OY 1801 TTTGGCTGTAGGCAATTTTCACTTCTTGGGTTGCAAAATATTTAAAGTAAAC 1860  
Db 1801 TTTGGCTGTAGGCAATTTTCACTTCTTGGGTTGCAAAATATTTAAAGTAAAC 1860  
OY 1861 ATGCTGTGAGACAGGAGGTGTGATGATAGAGAGAGATTAAGTAAGAACTGAA 1920  
Db 1861 ATGCTGTGAGACAGGAGGTGTGATGATAGAGAGAGATTAAGTAAGAACTGAA 1920  
OY 1921 TCTTCCTTTGTCACAAATAGAGTTGAAAAAGCCTGAAAGCTGCTCTTGTACT 1980  
Db 1921 TCTTCCTTTGTCACAAATAGAGTTGAAAAAGCCTGAAAGCTGCTCTTGTACT 1980  
OY 1981 TAATGCTTTAAAGATATCCAGAGATATCAATATTAACATAGAAAGATATATAT 2040  
Db 1981 TAATGCTTTAAAGATATCCAGAGATATCAATATTAACATAGAAAGATATATAT 2040  
OY 2041 ATTTGGAATGAGATGCTCATAGTCAATTTGTAATCTTCTTTGTAATATTTAT 2100  
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Db 2041 ATTTGGAATGAGATGCTCATAGTCAATTTGTAATCTTCTTTGTAATATTTAT 2100  
OY 2101 TTATATTTATTTATGACAGTGAACATTTCTGATTTTACATGTAACAGAAAGTTGAG 2160  
Db 2101 TTATATTTATTTATGACAGTGAACATTTCTGATTTTACATGTAACAGAAAGTTGAG 2160  
OY 2161 AAGATATGAGAGAAATGATTTTCTTAAATAGAAATTAATGATCCATTTTTCGT 2220  
Db 2161 AAGATATGAGAGAAATGATTTTCTTAAATAGAAATTAATGATCCATTTTTCGT 2220

item:  
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